

**AMENDMENTS TO THE ABSTRACT**

Please amend the Abstract as listed below. A clean version of the Abstract is attached hereto as Appendix A.

**ABSTRACT**

Disclosed herein are a strain measurement module and strain measurement system. The A strain measurement system includes a tunable light generator, a coupler, a fiberoptic sensor unit, and an optical detector. The tunable light generator includes a Super Luminescent light emission Diode (SLD), and a tunable Fabry-Perrot (FP) filter cascaded to an output terminal of the SLD to convert light having a wideband spectrum into discrete optical signals. The coupler receives and distributes the optical signals ~~output from the tunable light generator. The~~ and passes them to a wavelength compensation means receives the optical signals from the tunable light generator ~~through the coupler and~~ device which detects wavelengths of ~~an~~ the optical signal output from the tunable light generator and passed through the FP ~~filter signals~~. The fiberoptic sensor unit receives the optical signals from the tunable light generator through the coupler and transmits a response signal corresponding to a variation of strain attributable to load. The optical detector detects the response signal output from the fiberoptic sensor through the coupler.

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## ABSTRACT

A strain measurement system includes a tunable light generator, a coupler, a fiberoptic sensor unit, and an optical detector. The tunable light generator includes a Super Luminescent light emission Diode (SLD), and a tunable Fabry-Perrot (FP) filter cascaded to an output terminal of the SLD to convert light having a wideband spectrum into discrete optical signals. The coupler receives and distributes the optical signals and passes them to a wavelength compensation device which detects wavelengths of the optical signals. The fiberoptic sensor unit receives the optical signals from the tunable light generator through the coupler and transmits a response signal corresponding to a variation of strain attributable to load. The optical detector detects the response signal output from the fiberoptic sensor through the coupler.